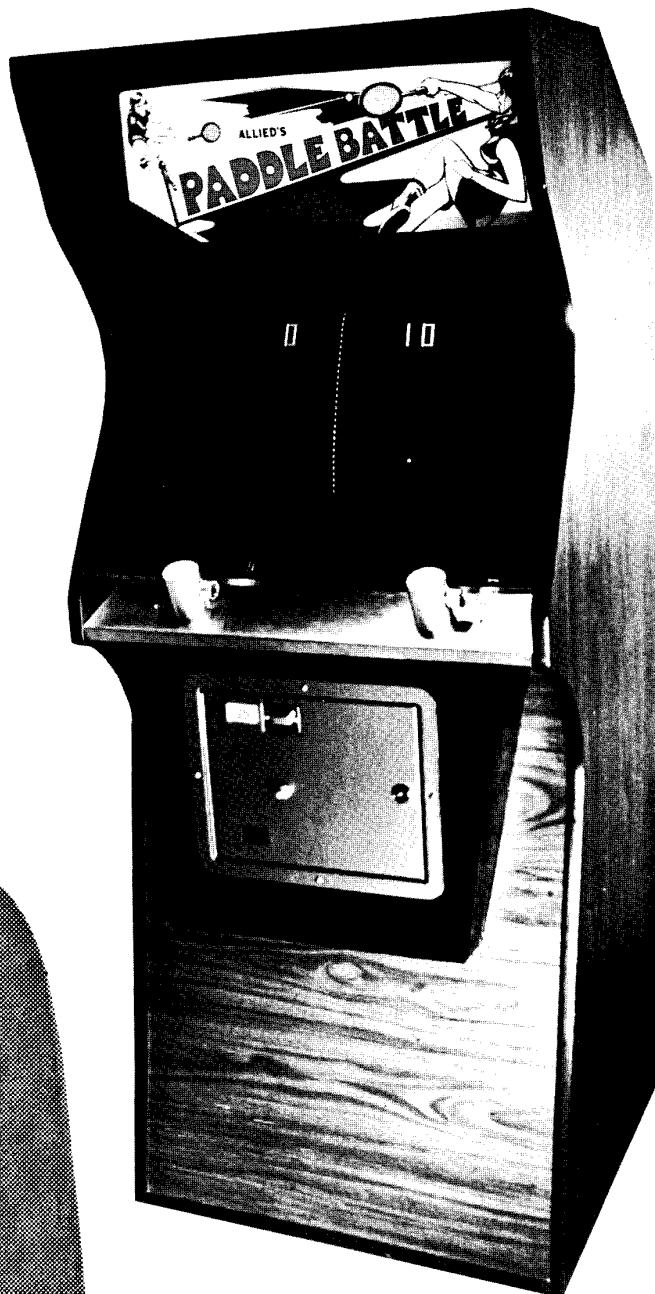
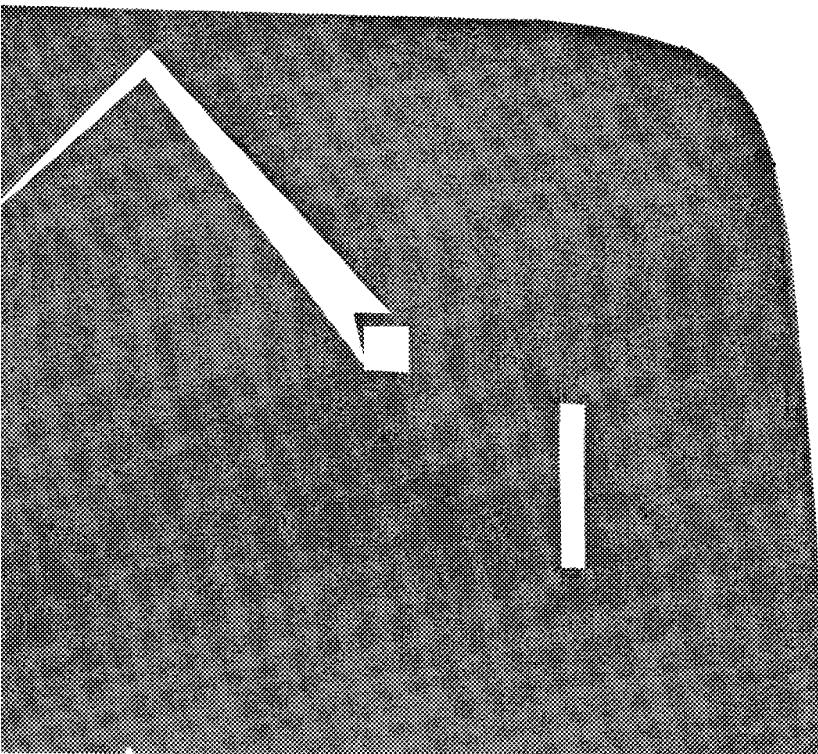


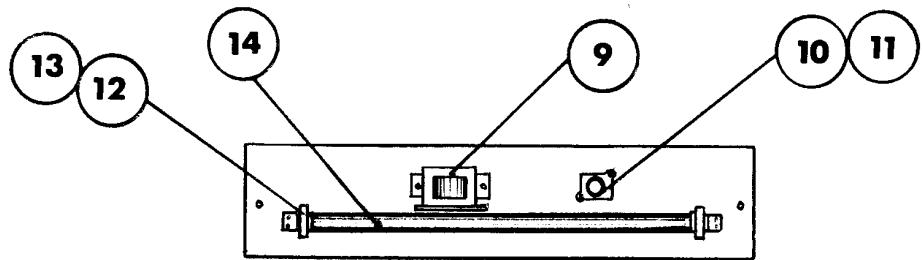
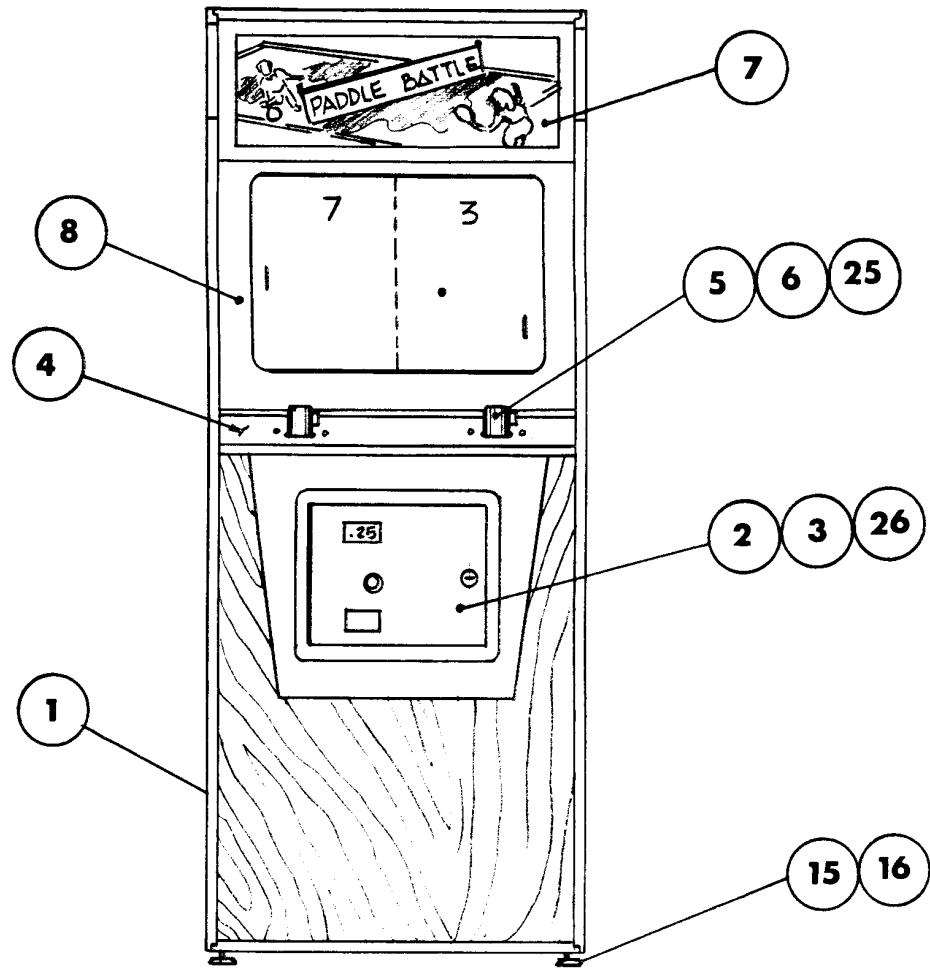
Allied's

# PADDLE BATTLE

*Parts &  
Wiring  
Catalog*

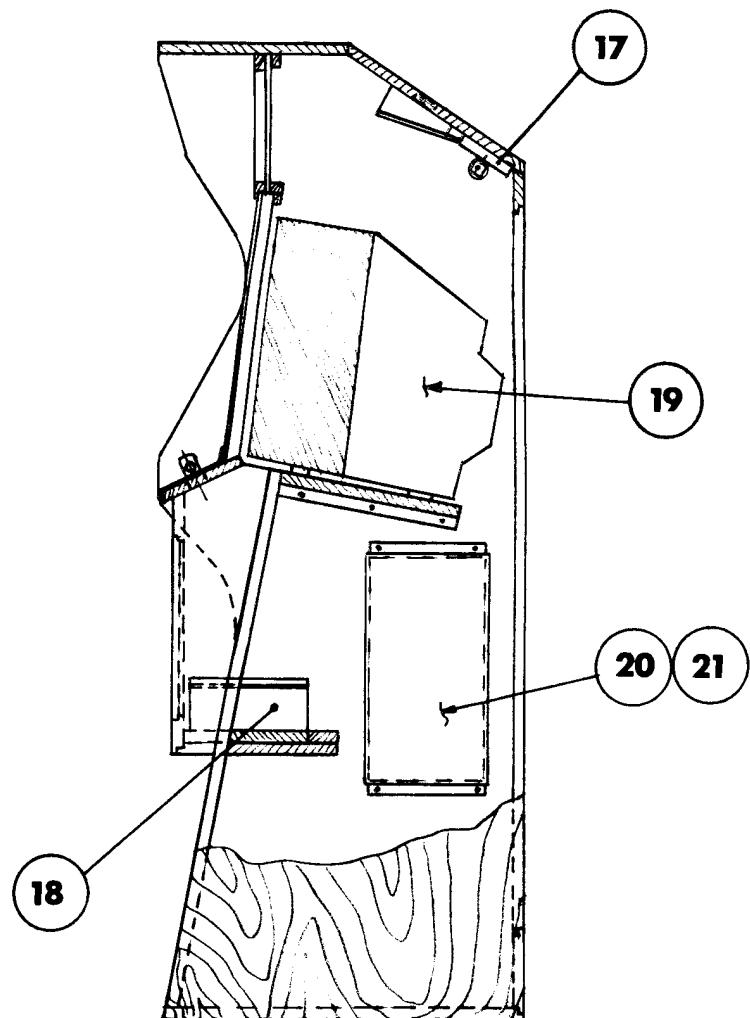


ALLIED LEISURE INDUSTRIES INC.  
245 WEST 74TH PLACE  
HIALEAH, FLORIDA 33010

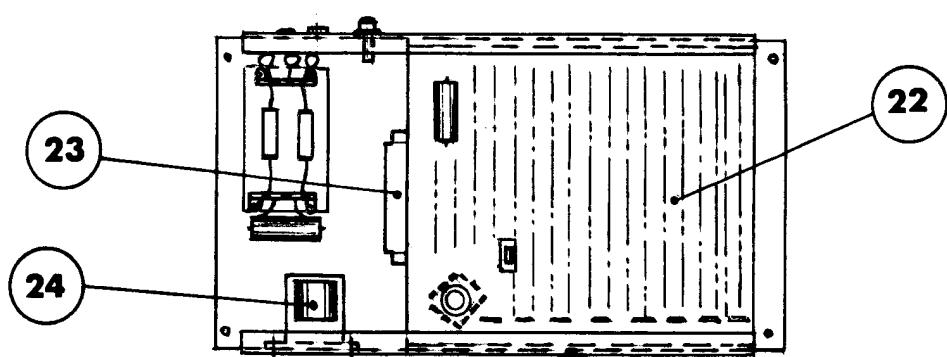


PADDLE BATTLE

<u>ITEM</u>	<u>PART NO.</u>	<u>DESCRIPTION</u>
1	244-1-1	Paddle Battle Cabinet for Hitachi TV
	244-1-6	Paddle Battle Cabinet for Sylv & GE
2	240-1-500	Coin Door Assy Single Acceptor
3	240-1-504	Coin Door Frame Assembly
4	244-3-4	Deck Control Cover
5	244-3-5	"Pot" Holder
6	244-9-8	5M ohm linear potentiometer
7	244-6-1	Top Glass - Paddle Battle
8	244-6-2	Smoked Grey glass (screen)
9	240-9-81	Transformer (ballast coil)
10	240-9-82	Starter Socket
11	240-9-83	Fluorescent Lamp starter
12	240-9-84	Fluorescent Lamp socket
13	240-3-45	Sky Lamp Bracket
14	242-9-53	Fluorescent Lamp
15	240-3-46	Leg Leveler Tap Plate
16	240-8-9	Leg Leveler
17	244-1-2	Top Lamp Ass'y
18	240-1-507	Cash Box Weldm't
19	244-9-1	Portable TV
20	244-1-5	Chassis Ass'y
21	244-3-11	Cover P.C.B. Chassis
22	244-9-2	P.C.B. #039 Video Control
23	244-9-12	22 Pin PCB Edge Connector
24	244-9-13	Transformer
25	244-2-1	Button control (knob)
26	244-71-2	Slam Switch

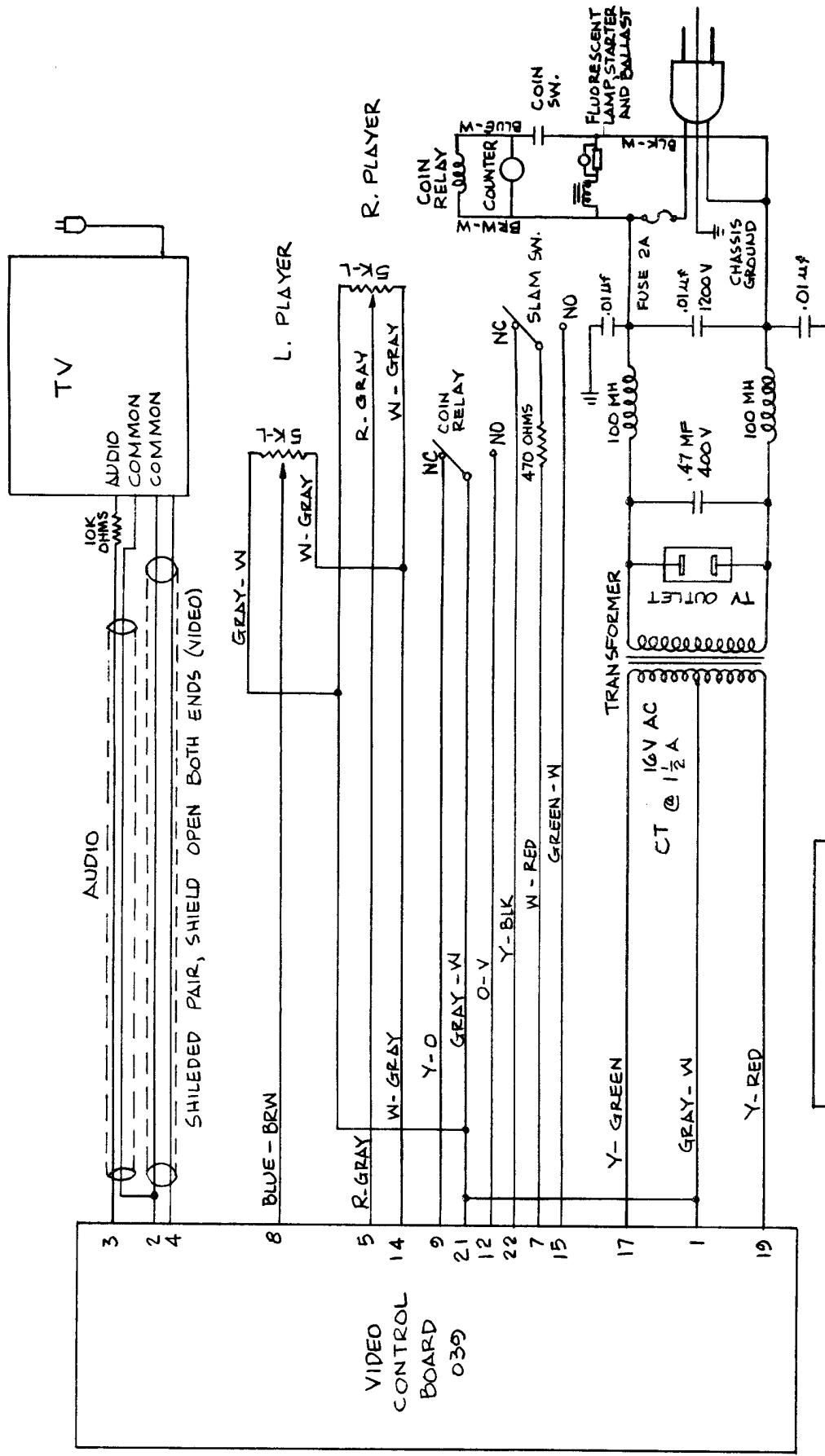


SIDE VIEW - CABINET



P.C.B. CHASSIS ASS'Y

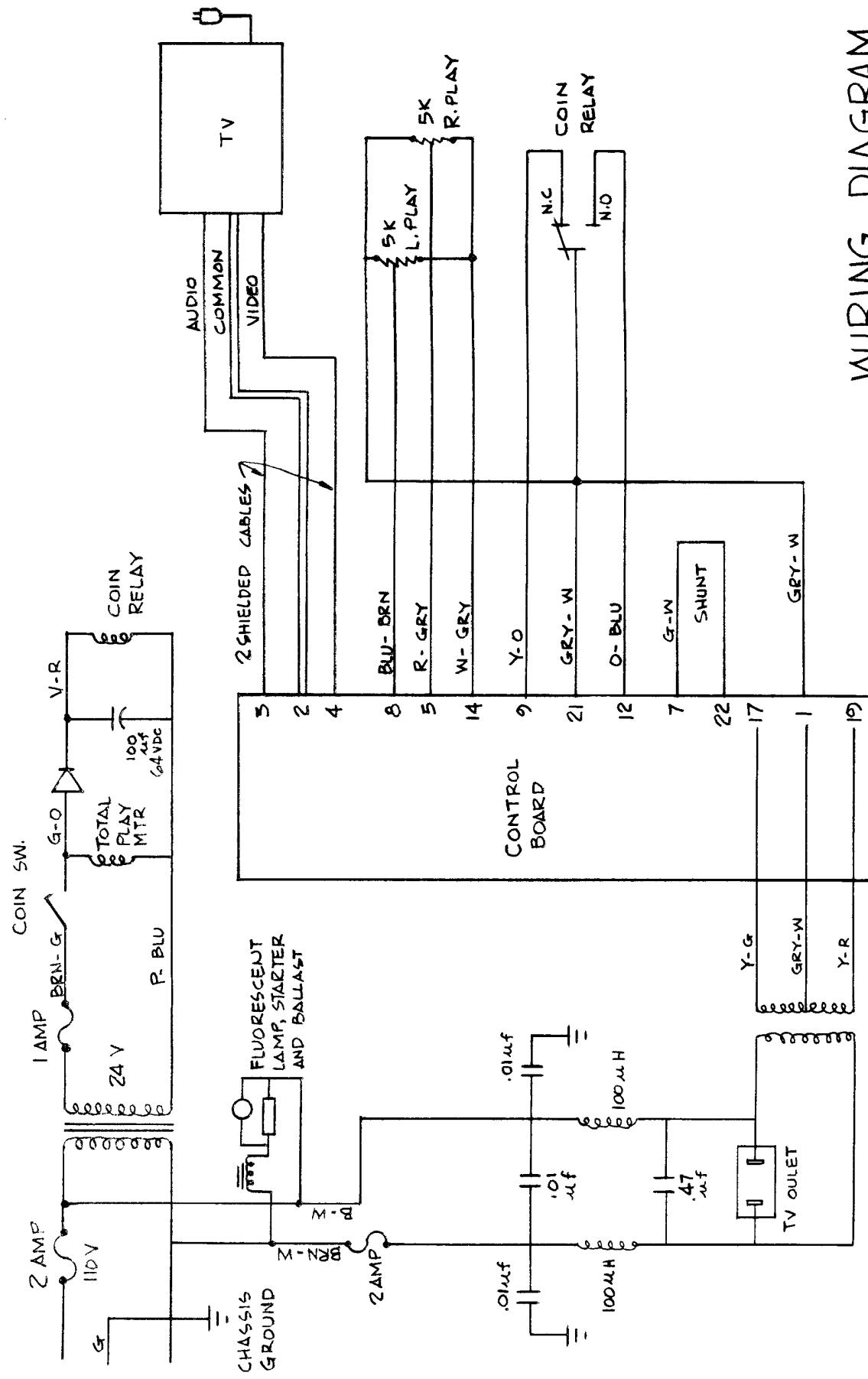
## WIRING DIAGRAM



Note:

- 1.- NOTCH AT PIN 6 AND 13
- 2.- 10K $\Omega$  RESISTOR ADDED TO AUDIO CIRCUIT INSIDE TV. CABINET.

**PIN I** **COMPONENT SIDE**



## WIRING DIAGRAM

UP 907 SIN/S

## TROUBLESHOOTING GUIDE

### Symptom

1. No video or sound

### Problem

Coin switch stuck down  
PC board edge connector loose  
Television input or power line  
disconnected  
Television or control PC board bad

2 Sound but no video

Open video line (untaped shielded  
cable)  
Television out of adjustment (see  
set up procedure)  
Television or control board bad

3. Video but no sound

Same as No. 2 except audio shielded  
line open (taped shielded cable)  
(See set up procedure for access to  
television controls)

4. Picture distorted or out  
of center

See set up procedure

5. Right or left paddle moves  
irratically

Potentiometer dirty or worn out

6 Game shuts off before 11 or  
15 setting

Slam switch not enough tension on  
normally closed contacts. Capacitor  
lead on chassis filter assembly open.  
Lead on slam switch wires open.

Note: Remove front panel for access to Television controls

## Maintenance and Adjustment procedure:

### 1. Television connections and controls

1. Plug power cord into control chassis and connect the shielded input wires.
2. Activate coin switch and adjust game per the following:  
(Note: Remove front panel for access to television controls)
  - A. Volume - adjust to desired level, approximately 3/4 full for normal location.
  - B. Brightness - turn from bright until background light disappears.
  - C. Contrast - adjust to maximum without distorting numbers on screen.

The following are preset at Allied Leisure

- D. Vertical size adjust until net clears top and bottom by 1/4 to 1/2 inch.
- E. Vertical linearity adjust for equal spacing of dot segments.
- F. Horizontal position - adjust to center and back off until picture holds when television is cycled off and on.

### 11. Control Chassis

1. Paddle adjustment-turn front panel knobs to full down position. Adjust trimmers (located on top of control PC board) to move paddles to bottom of screen. Back off until full paddle length is in view.
2. 11-15 adjustment - set switch on control PC board as desired.
3. Replacing video board - insert board, connector end first with component side showing. Connect the two 3-pin plugs matching wire colors. 22-pin PC board edge connector is keyed with pin 1 on the right side as viewed in game cabinet.

### 111. Front Panel

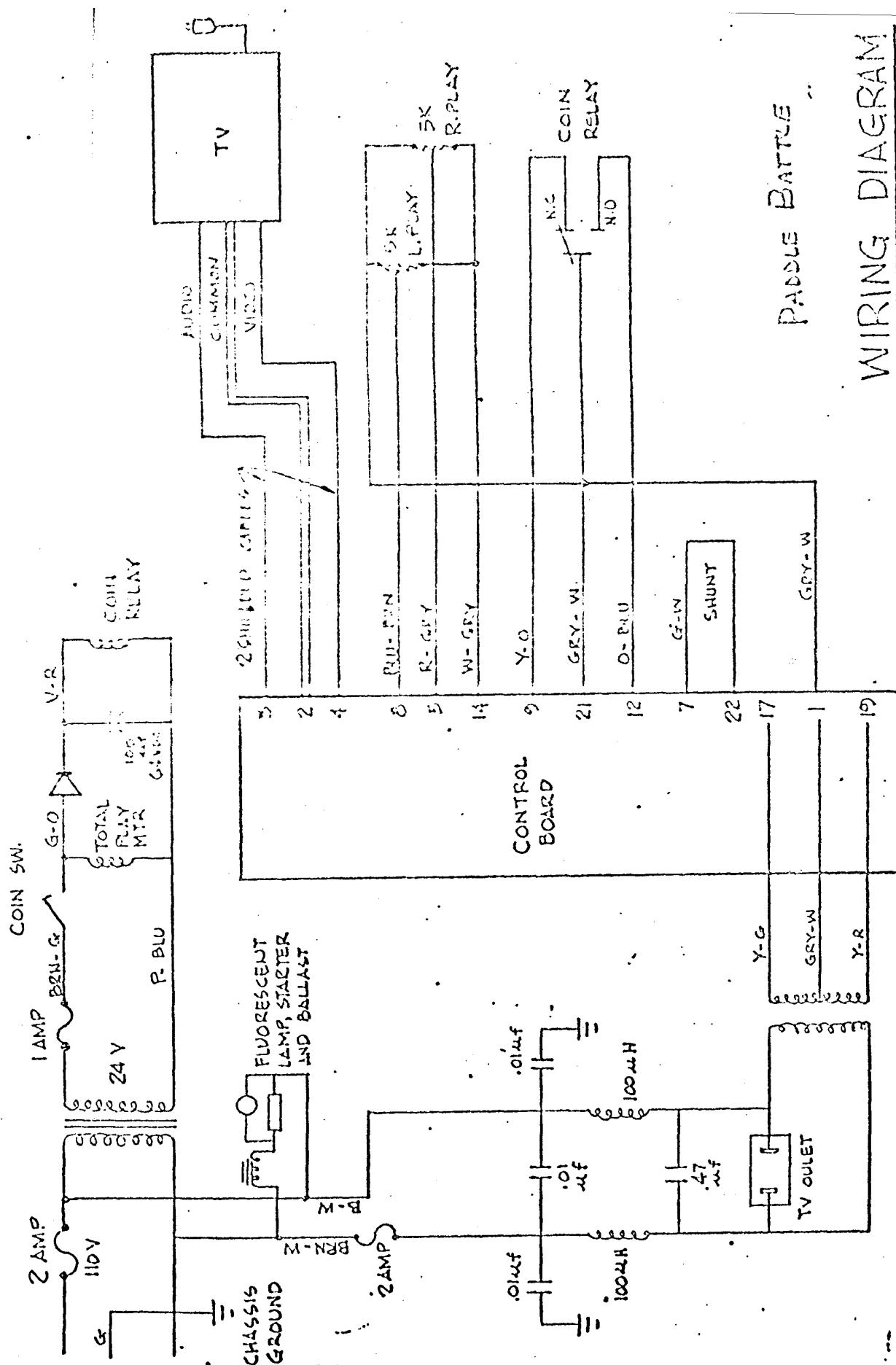
1. Potentiometer front glass replacement - open cash door and remove the two wing nuts holding front panel in place.
2. Remove and replace potentiometers as required.
3. Touch tape to bottom of front glass and pull out for removal.

NOTE: TO AVOID DAMAGE TO TELEVISION, DISCONNECT 3-WIRE CONNECTOR

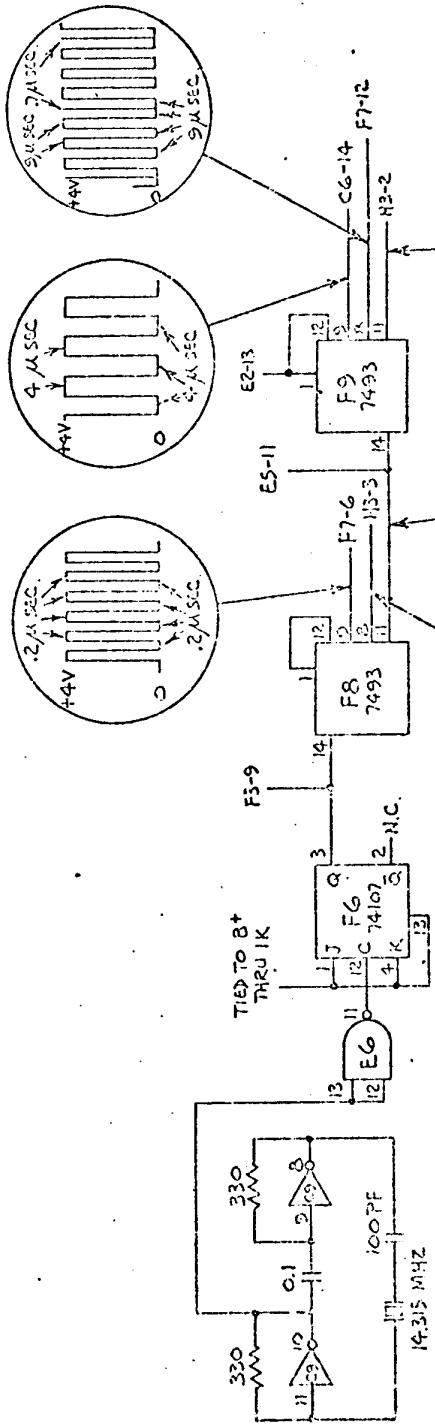
(LOCATED ON BOTTOM OF TELEVISION) BEFORE REMOVING TELEVISION FOR SERVICING.

dn Log S<sub>i</sub>N/S

## WIRING DIAGRAM



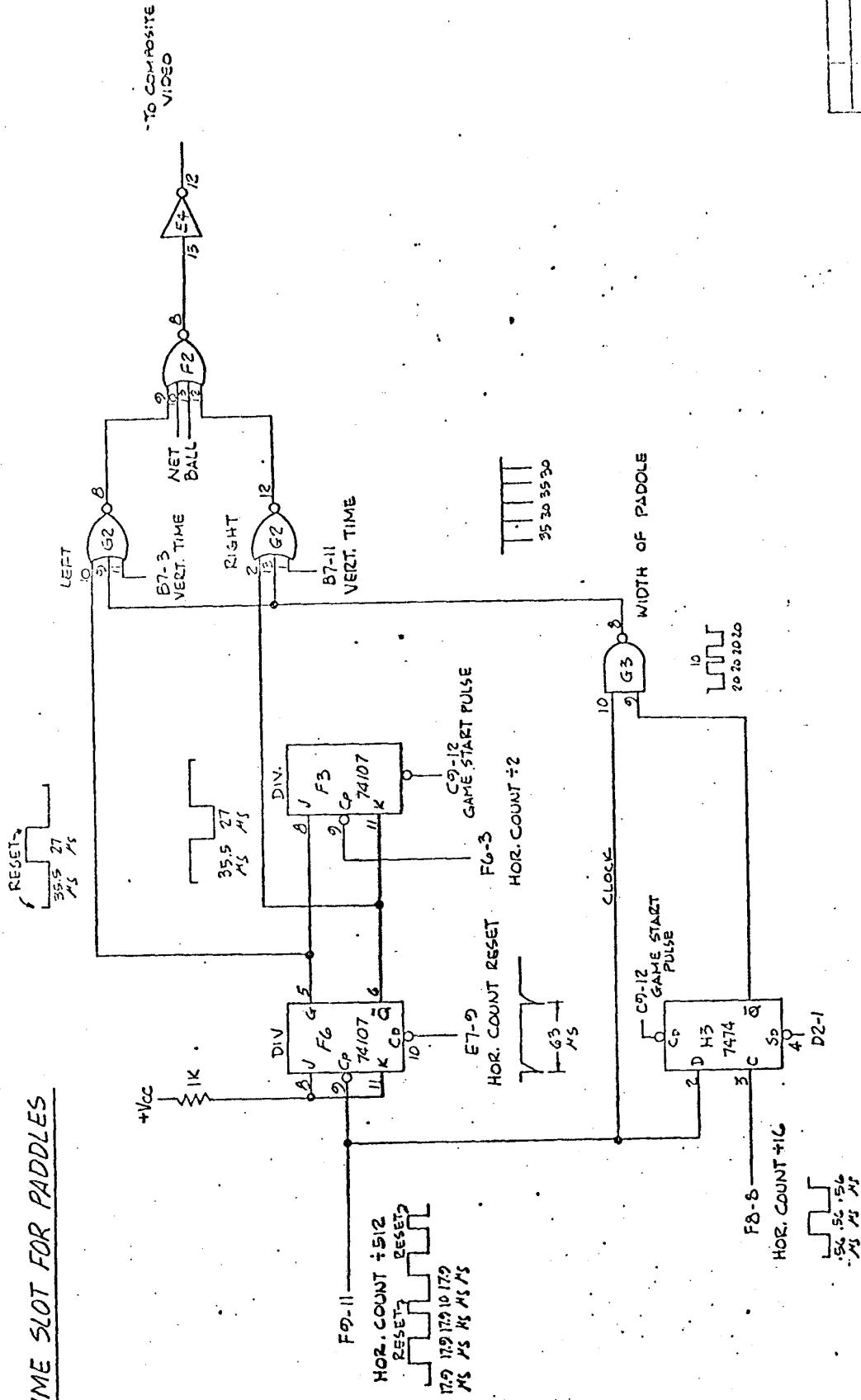
REV.	ITEM NO.	LETTER	REVISIONS		DISPOSITION OF EXISTING PARTS	APP'D CHCR 6
			ECN NO.	DESCRIPTION		



SCOPE PRESETS

1. HORIZ. SLEEP-CALIBRATE. 13 CLEAR.  
2. VOLTS/CM-CALIBRATE  
3. HORIZ. DISPLAY-INTERNAL SWEEP.  
4. VERTICAL SIGNAL NOT INVERTED

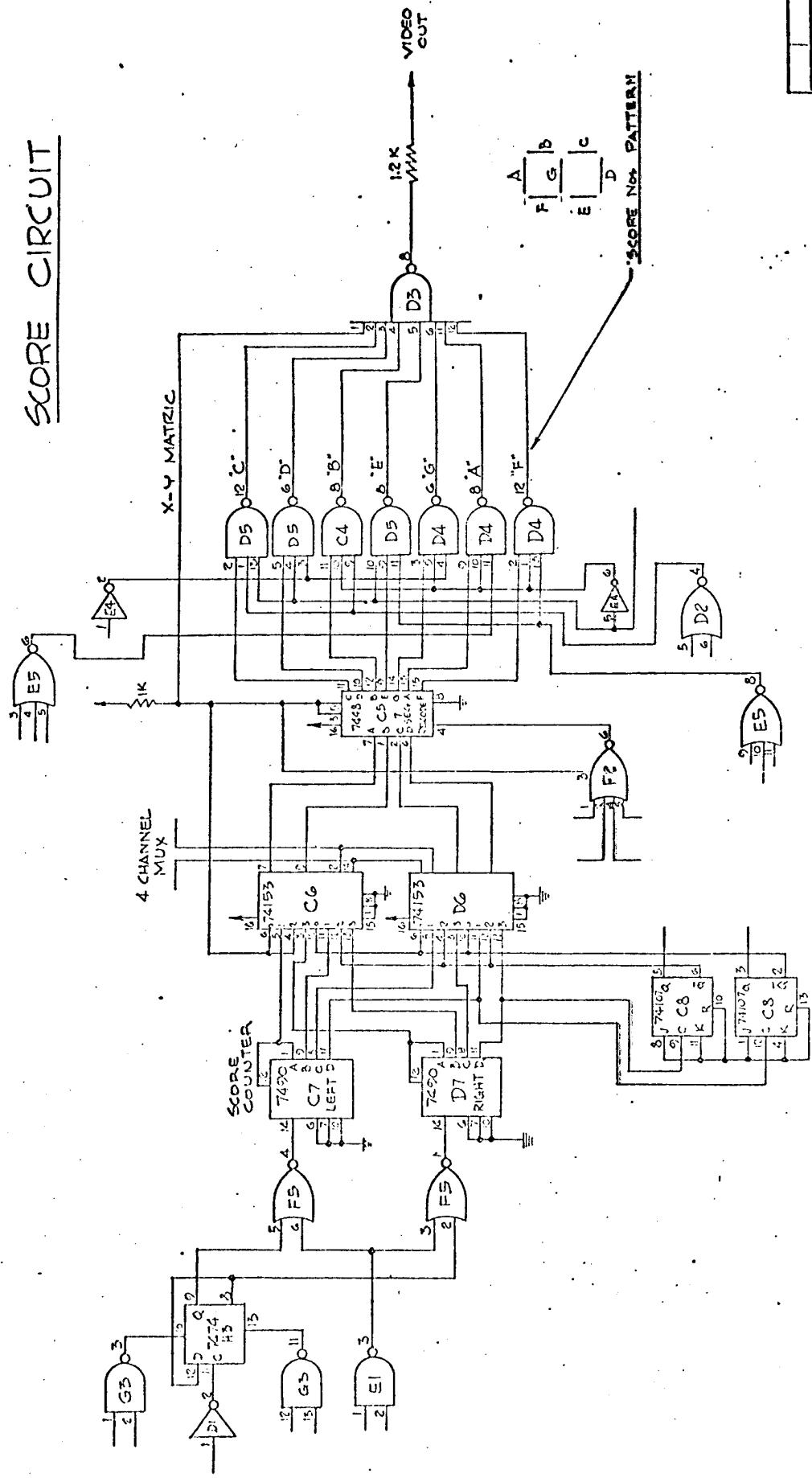
## HORIZONTAL TIME SLOT FOR PADDLES



## -PADDLE BATTLE-

ALLIED LEISURE INDUSTRIES INC.	
1700 W. 4TH AVENUE HALIFAX, NOVA SCOTIA	
NAME	1/64
HORIZONTAL SLOT TIME	1/16
VERTICAL SLOT TIME	1/16
FRAC.	.01
DECIMALS	.005
HOLDS	.002
DIVIDE BY	72768
REVISION	7-27-72
LETTER	—

SCORE CIRCUIT



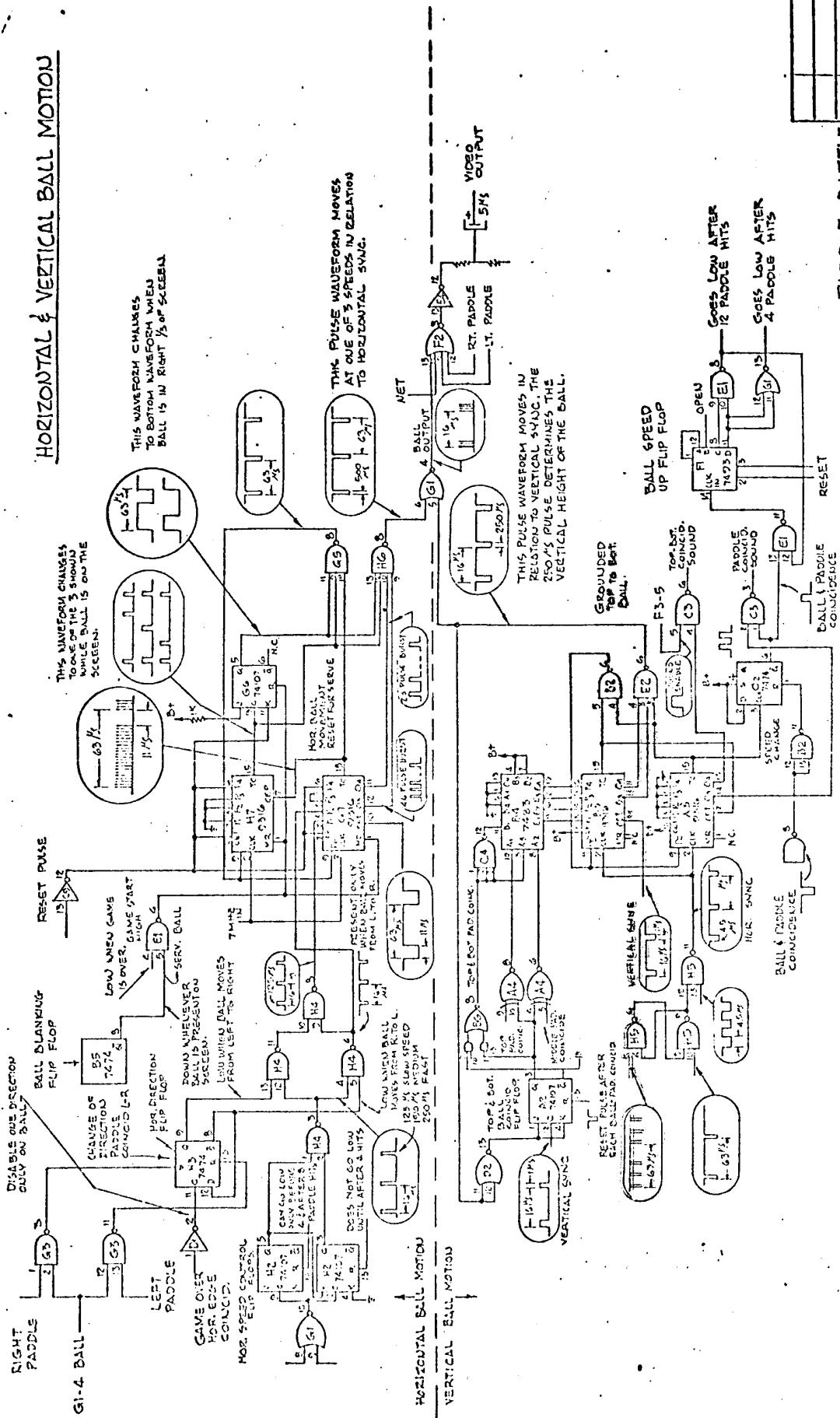
- PADDLE BATTLE -

ALLIED LEISURE INDUSTRIES INC.

1780 W. 4TH AVENUE  
MIAMI, FLORIDA 33101

TOLERANCES		UNLESS OTHERWISE SPECIFIED	
D		FRACTIONS	$\pm$ 1/64
C		DECIMALS	$\pm$ .01
B		DECIMALS	$\pm$ .005
A		HOLDS	$\pm$ .002
		ANGLES	$\pm$ $1\frac{1}{2}$ °
REVISION		BY	
REVISION		REVISION	
LETTER		LETTER	

## HORIZONTAL & VERTICAL BALL MOTION

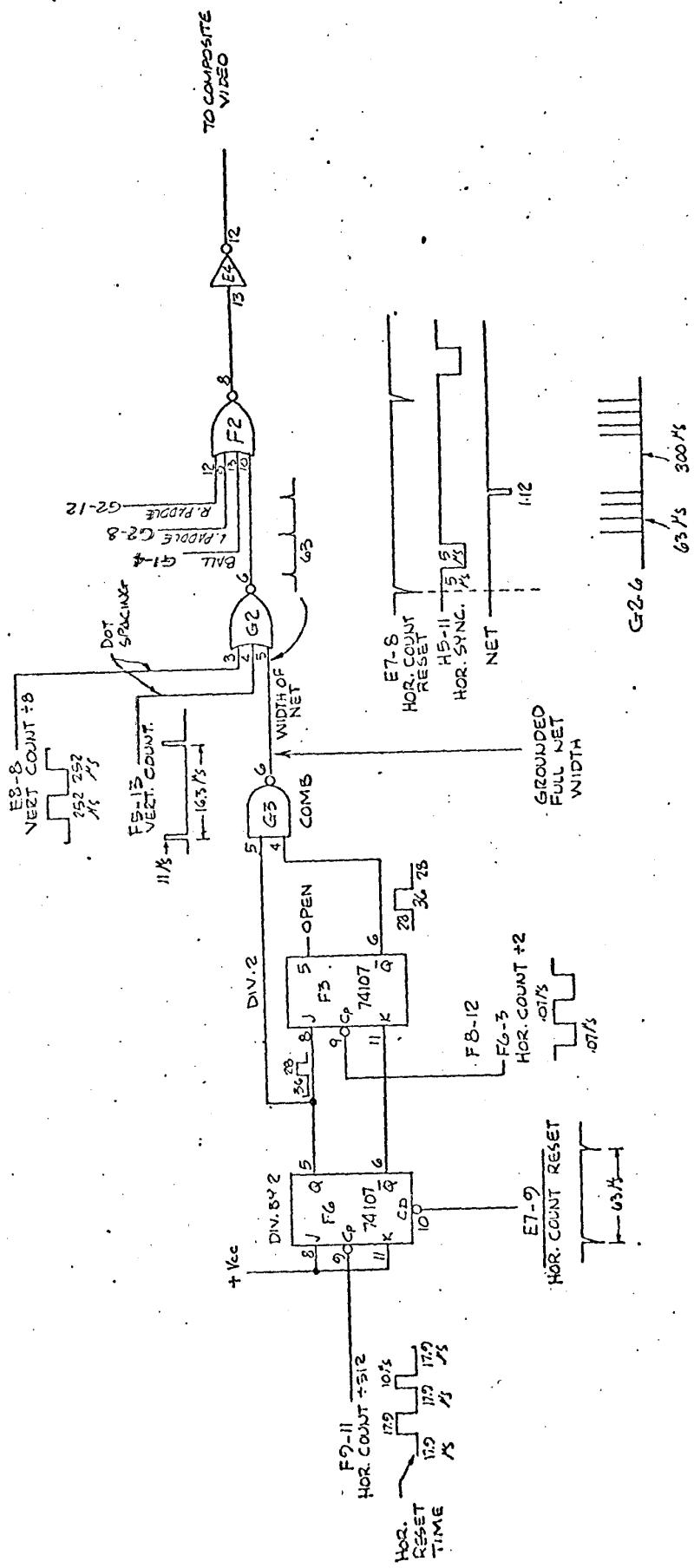


— PADDLE SATILE <sup>or.</sup> EDED LEISURE INDUSTRIES INC.

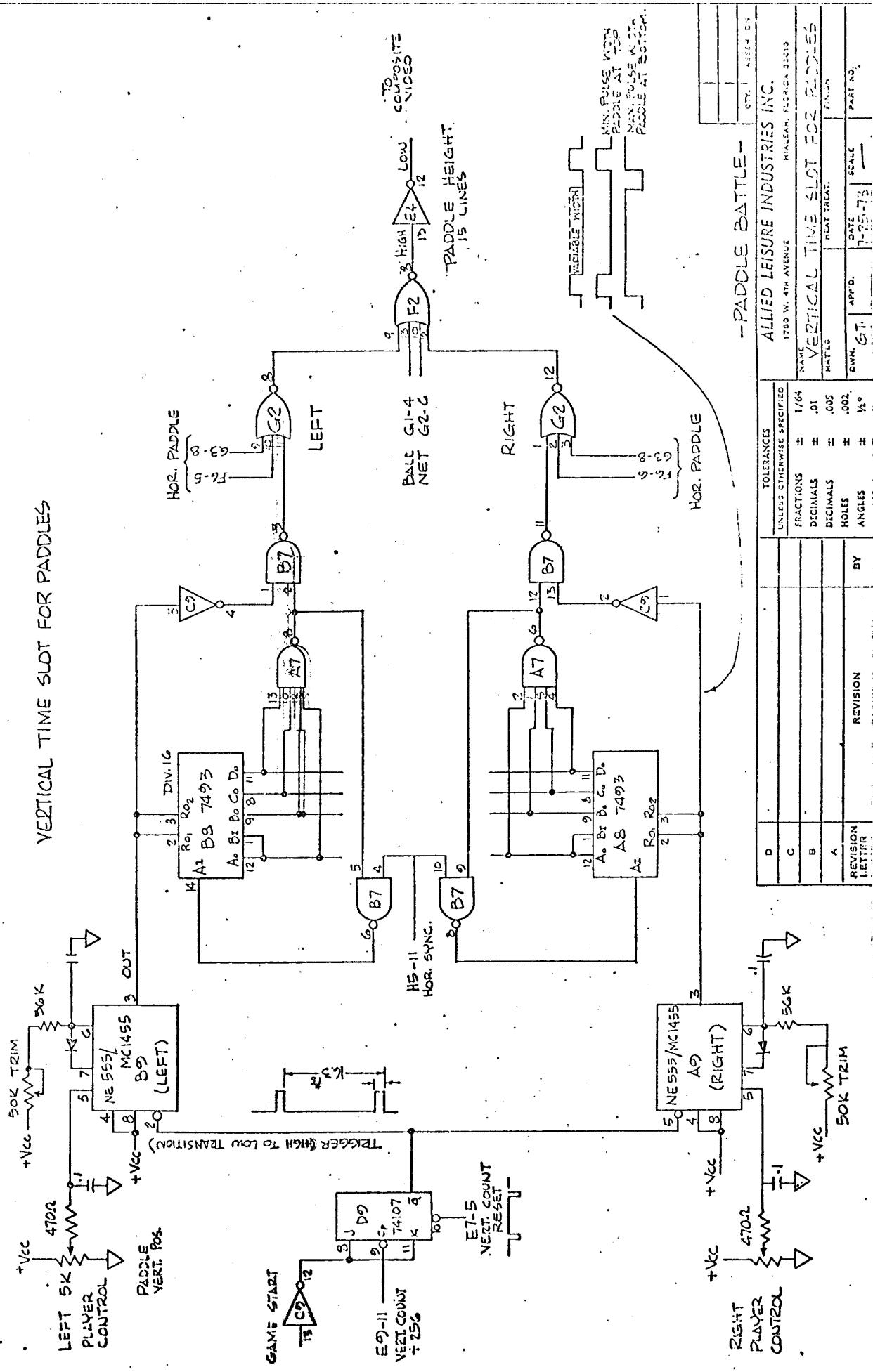
1700 W. 4TH AVENUE  
MAILBOX, FLOOR 1  
LOS ANGELES, CALIFORNIA

ALLIED LEISURE INDUSTRIES INC.		MALEAH, FL 33010	
1750 W. 4TH AVENUE		HORIZ. & VERT. SWING	
TOLERANCES		NAME	
UNLESS OTHERWISE SPECIFIED		HEAT TREAT.	
D		FRACTIONS	± 1/64
C		DECIMALS	± .01
S		DECIMALS	± .002
A		HOLDS	± .001
		ANGLES	± 1°
REVISION	REVISION	BY	
TESTED			

TEN



## -PADDLE BATTLE-



ITEM NO.	DESCRIPTION	DISPOSITION OF EXISTING PARTS		RE- WORK	SCRAP
		APP'D	ENGR'D		
REV. LETTER					

